

MetaCell[®] GlutAssure

Product Description

MetaCell[®] GlutAssure is a 200nM L-alanyl-L-glutamine dipeptide solution, serving as a direct and equivalent replacement for L-glutamine at equivalent molar concentrations in mammalian cell cultures. MetaCell[®] GlutAssure is highly stable under 2°C to 30°C.

Unlike L-glutamine, MetaCell[®] GlutAssure does not undergo spontaneous degradation to produce ammonia. Instead, it provides L-glutamine through the cleavage of its dipeptide bond by the cells as required. This mechanism minimizes the accumulation of waste and ensures a continuous, fresh supply of L-glutamine throughout extended culture periods.

MetaCell[®] GlutAssure can enhance the productivity and effectiveness of mammalian cell culture.

MetaCell[®] GlutAssure is free of any animal-derived components.

This product is intended for research or further manufacturing but not for human or therapeutic use.

Product Name	Product Code	Size	Storage	Shelf Life	Application
MetaCell [®] GlutAssure	L5005-0100	100mL	2-30°C	24 months	Mammalian cell culture

Specification

Items	MetaCell [®] GlutAssure
Appearance	Clear liquid
Sterility	Sterile-filtered
pH	4.7-6.0
Osmolality	430 – 490 mOsm/kg H ₂ O

User Guide

- MetaCell[®] GlutAssure can directly equimolar replace L-glutamine in mammalian cell culture.
- Aseptically add the necessary molar concentration into the cell culture medium.
- If growth lag is observed upon conversion to MetaCell[®] GlutAssure, it is recommended to supplement the culture media with MetaCell[®] GlutAssure and L-glutamine at a 3:1 molar ratio for the first and second passages during adaptation to the new culture conditions.